**DNA & Protein Synthesis Answer Key**

**DNA STRUCTURE**

1. **without oxygen**
2. **phosphate/deoxyribose (sugar)**
3. **adenine (A)**
4. **guanine (G)**
5. **hydrogen bonds**
6. **double helix**
7. **Rosalind Franklin**
8. **True**
9. **Watson & Crick**
10. **Nucleotide**
11. **Deoxyribose (sugar)**
12. **Chemistry doesn’t allow C to pair up with A**

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**DNA REPLICATION**

**13. Nucleus**

**14. mitosis**

**15. See board**

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**TRANSCRIPTION**

**16. mRNA**

**17. nucleus**

**18. ACC**

**19. uracil (U)**

**20. mRNA**

**21. E.R.**

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**TRANSLATION**

**22. ribosome**

**23. codon**

**24. anti-codon**

**25. tRNA**

**26. amino acid**

**27. protein**

**28. CGU**

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**DIAGRAM**

**29. transcription (nucleus)**

**30. translation (ribosome)**

**31. DNA**

**32. mRNA**

**33. tRNA**

**34. protein**

**35. mRNA codon**

**36. amino acid**